CLAIMS

1. In a wideband mobile radio telecommunications system having heterogeneous services with different rates, a method of resource allocation comprising the steps of determining the current proportions of each rate traffic in a telecommunications cell; and applying a threshold to the loading level in said cell in accordance with the determined proportions.

2. A method according to Claim 1 in which the proportion of high rate users is determined from a received signal strength indication for the cell.

3. A method according to Claim 2 in which the determining step is performed in a base transceiver station which controls the cell.

4. A method according to Claim 3 in which said base transceiver station sends to a central radio network controller the determined current proportions.

5. A method according to Claim 4 in which said applied threshold is variable.

6. A method according to Claim 5 in which said variable threshold is allocated to each cell by the radio network controller.

7. A method according to Claim 6 in which the radio network controller maintains a table of threshold values for specific mixes of services and selects a threshold for a cell so as to maintain optimum network operation

8. A wideband mobile radio telecommunications system comprising a core network, and a plurality of radio network controllers each controlling a plurality of base transceiver stations; wherein each base transceiver station is arranged to determine intermittently the proportions of each rate traffic in a cell controlled by the base transceiver station; and each base transceiver station is arranged to apply a variable threshold to the loading level in the cell.

9. A system according to Claim 8 in which each base transceiver station is arranged to send to the radio network controller which controls it, a signal indicating the proportions and to receive from the radio network controller a variable loading limit to be applied.